

ABSTRACT OF THE DISCLOSURE

**DUAL CONCENTRIC ROBOTIC HIGH PERFORMANCE AUTOMATED TAPE
CARTRIDGE SYSTEM**

A data storage and retrieval system. In a preferred embodiment, the data storage and retrieval system includes a polygonal array of cells that are inwardly disposed with openings configured to receive data storage units. A first robot unit to transport a data storage unit to and from the polygonal array of cells is located within the polygonal array of cells. A second robot unit is also located within the polygonal array of cells to transport a data storage unit to and from the polygonal array of cells. The second robot unit manipulates the data storage units placed in the cylindrical array of cells independently of the first robot unit.